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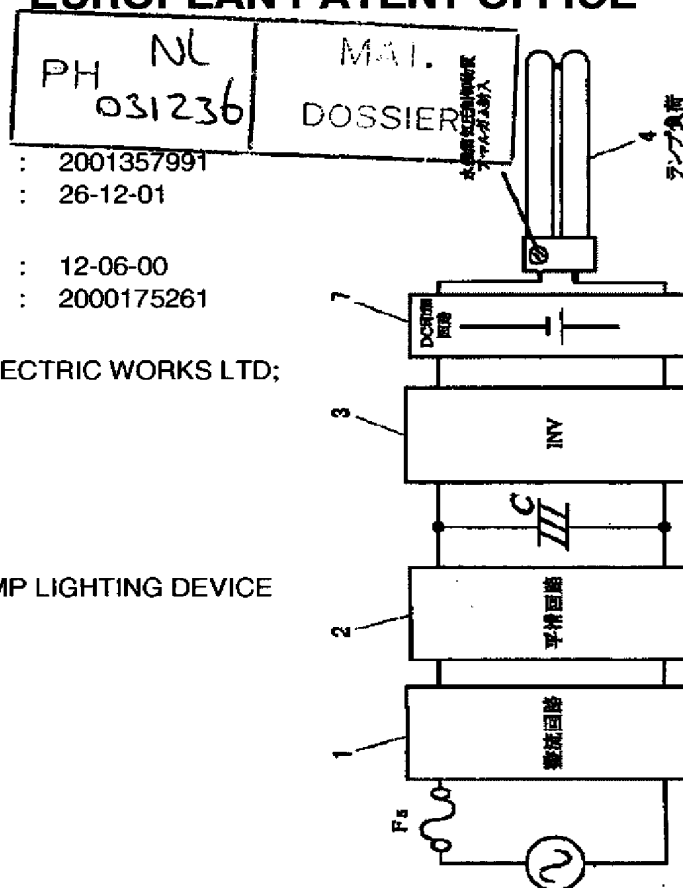
APPLICATION DATE : 12-06-00
APPLICATION NUMBER : 2000175261

APPLICANT : MATSUSHITA ELECTRIC WORKS LTD;

INVENTOR : SATO KEISUKE;

INT.CL. : H05B 41/24

TITLE : DISCHARGE LAMP LIGHTING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To provide a discharge lamp lighting device which can improve the start of a lamp at every sort of circumstances by controlling output wave form of the lamp lighting means so as to increase moving ability of mercury of the lamp itself.

SOLUTION: The discharge lamp lighting device is composed of a discharge lamp containing a vapor pressure control material at one end part of lamp tube, the volume of which is different from that at the other end, having an inflection point of mercury vapor pressure within the temperature range at use, and a lighting means of which, output waveform is practically asymmetric with respect to positive and negative, and the lighting means impresses a waveform consist of positive direct current voltage component to the end part of lamp tube at which bigger volume of mercury vapor pressure control material is contained. The asymmetry of the output waveform of lighting means is maintained at least from the time soon after the discharge lamp is lighted until it lights in stable state.

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